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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

VOL. VIII, No. 7. THURBER'S HELENA July, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1960, averaged 83,991 barrels daily, an increase of 3,154 barrels from the average June production of 80,837.

The nine refineries in the State processed 79,466 barrels of crude oil daily for the month of July, 1960, an increase of 16,684 barrels daily from the 62,782 barrels processed daily during the month of June, 1960.

During July, 28 wells were completed, 11 oil, 0 gas well and 17 dry holes.

During July, the Commission issued 22 permits to drill new wells, a decrease of 22 from the 44 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JULY, 1960

IN STORAGE JULY 1st:

By Producers	386,082
By Transporters	646,801
By Refiners	795,779
TOTAL STORAGE	1,828,662
Produced in Montana During Month	2,603,746
Imported During Month	1,409,568
TOTALS	5,841,976

DISPOSITION:

Refined in Montana	2,463,462
Exported	1,796,991
Used for Fuel or Lost	(2,334)
TOTAL	4,258,119

IN STORAGE JULY 31st:

By Producers	388,379
By Transporters	550,143
By Refiners	645,335
TOTAL STORAGE	1,583,857

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1960

Field	M Cu. Ft.
Bears Den	5,136
Big Coulee	32,628
Bowdoin	38,380
Bowes	71,558
Box Elder	0
Cabin Creek	94,865
Cedar Creek	209,062
Clarks Fork	53,230
Cut Bank (including Reagan)	449,524
Devon	6,643
Dry Creek	82,631
Elk Basin	67,228
Flat Coulee	1,360
Golden Dome	0
Grandview	30,196
Hardin	2,860
Keith Block	0
Kevin Sunburst	59,633
Pine	95,334
Plevna	19,432
Utopia	0
Whitlash	33,491
Miscellaneous	110,420
TOTAL	1,463,611

Total Withdrawals for July, 1959 were 1,260,397 M. Cu. Ft.

PRODUCER'S REPORT
MONTH OF JULY, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	736	2,406		2,659		483
2	Bannatyne	6	2,989	737		918		2,808
1	Belfry	1	186	1,632		1,576		242
11	Big Wall	26	3,671	24,014		24,617		3,068
11	Blackfoot	13	3,939	10,131		10,524	12	3,534
20	Bowes	81	3,817	24,884	23,796			4,905
1	Bredette	1	1,577	345				1,922
2	Bredette, North	2	743	1,867	1,293			1,317
3	Brorson	4	2,947	3,041	2,651		1,703	1,634
2	Cabin Creek	98	6,719	394,664	394,524			6,859
22	Cat Creek	97	4,270	15,695	10,799	4,459		4,707
	Clark's Fork		377					377
2	Clark's Fork, North	3	3,430	12,064		12,459		3,035
1	Cupton	2	256	1,136				1,392
363	Cut Bank	1,120	129,642	171,098	172,372		64	128,304
3	Deer Creek	7	1,747	14,831	13,956			2,622
3	Delphia	3	1,531	3,389		3,430		1,490
	Devil's Basin		1,018					1,018
5	Dry Creek	5	764	2,304	2,193			875
7	Elk Basin	59	4,106	239,395	239,998			3,503
1	Fertile Prairie	1	252	180			252	180
2	Frannie	2	365	1,798	1,649			514
2	Gage	2	943	1,051		950	6	1,038
3	Gas City	10	3,727	14,846	14,391			4,182
6	Glendive	11	5,049	40,411	37,623			7,837
4	Gypsy Basin	4	1,210	735		736	8	1,201
9	Ivanhoe	16	7,220	30,580		32,866		4,934
2	Keg Coulee	2	390	11,045		10,015		1,420
194	Kevin-Sunburst	1,240	15,129	65,843	64,613			16,359
1	Little Beaver	8	1,882	19,954	19,178			2,658
4	Little Beaver, East	12	2,410	25,888	24,397			3,901
4	Melstone	9	2,609	2,670		1,404		3,875
5	Monarch	12	4,485	38,375	38,285			4,575
3	Mosser	5	348	983		1,073		258
11	Outlook	11	9,513	41,070	41,115			9,468
3	Outlook, South	3	3,634	5,129	4,080			4,683
11	Pennel	20	7,350	44,235	44,481			7,104
5	Pine	143	18,958	439,084	439,167			18,875
77	Pondera	331	9,074	38,538	38,008			9,604
7	Poplar, East	95	22,288	275,710	278,190		45	19,763
3	Poplar, Northwest	3	1,356	2,054	1,899			1,511
4	Ragged Point	9	5,479	15,917		17,086		4,310
	Rattlesnake Butte		116					116
4	Reagan	50	2,456	16,195	14,980			3,671
9	Red Creek	17	4,419	30,549		32,219		2,749
1	Redstone	1	473	952	669			756
1	Repeat	1	169	5,152	4,939			382
8	Richey	11	5,032	14,995	14,621			5,406
2	Richey, Southwest	2	1,730	6,480	7,042			1,168
1	Rosebud County	1	1,240	3,926		4,378		788
6	Sand Creek	7	4,211	28,306	26,556			5,961
2	Sheridan County	2	4,250	13,814		16,293		1,771
2	Snyder	4	632	1,782		1,746		668
4	Soap Creek	17	3,935	4,817		3,370		5,382
10	Stensvad	26	16,638	179,019	183,853			11,804
27	Sumatra	85	20,409	190,649	178,544	13,023		19,491
4	Sweetgrass Hills	4	684	474		670		488
7	Whitlash	30	13,089	2,762	165	1,014		14,672
6	Wills Creek	12	4,054	31,839	31,613			4,280
9	Wolf Springs	18	3,531	29,636	28,372			4,795
2	Woodrow	2	150	2,670	1,862			958
	Yellowstone		728					728
926		3,771	386,082	2,603,746	2,401,874	197,485	2,090	388,379

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
July, 1960	2,603,746	83,991	2,599,359	83,850

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
July, 1960	388,379	550,143	645,335	1,583,857

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF JULY, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,659				2,659		
BANNATYNE—Truck			918			918			
BELFRY—Truck			1,576				1,576		
BIG WALL—Truck			24,617			24,617			
BLACKFOOT—Union Oil Co.			10,524			10,524			
BOWES—									
Trigood Oil Co.	2,575	3,316			14	3,715			2,162
Texaco, Inc.		20,480				20,480			
	2,575	23,796			14	24,195			2,162
BRORSON—Sun Oil C.		2,651					2,651		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	334,835	983,521		519,387			1,541,341		296,402
Shell Pipe Line Co.	3,609	142,151			481			139,888	5,391
	338,444	1,125,672		519,387	481		1,541,341	139,888	301,793
CAT CREEK—									
Continental Pipe Line Co.	6,706	10,799			17	11,042			6,446
Truck			4,459			4,459			
	6,706	10,799	4,459		17	15,501			6,446
CLARK'S FORK—Truck			12,459				12,459		
CUT BANK—									
Big West Oil Co.		918		10,321		11,239			
Darling Gathering System, Inc.	1,540	10,658						10,662	1,536
Phillips Petroleum Co.	11,137	48,210		31,137	(2,600)	74,388			18,696
Texas Pipe Line Co.	42,875	28,508		11,366	(2151)	33,521		25,553	25,826
Toronto Pipe Line Co.	17,184	43,901			(210)			44,787	16,508
Union Oil Co.	110,563	47,485		17,515	166	74,417			100,980
	183,299	179,680		70,339	(4,795)	193,565		81,002	163,546
DELPHIA—Truck			3,430			3,430			
DRY CREEK—									
Marathon Pipe Line Co.	6,525	2,193			27	2,414			6,277
ELK BASIN—Ohio Oil Co.		239,998					239,998		
FRANNIE—Ohio Oil Co.		1,649					1,649		
GAGE—Truck			950			950			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	12,288	79,446			698		56,924	28,990	5,122
GYPSY BASIN—Truck			736			736			
IVANHOE—Truck			32,866				32,866		
KEG COULEE—Truck			10,015			10,015			
KEVIN-SUNBURST—									
Big West Oil Co.	2,140	42,528				42,527			2,141
Homestake Oil & Gas Co.	206	2,590		10,662		12,942			516
The Texas Pipe Line Co.	4,077	30,087			228	29,859			4,077
	6,423	75,205		10,662	228	85,328			6,734
MELSTONE—Truck			1,404			1,404			
MOSSER—Truck			1,073				1,073		
PONDERA—Phillips Petr. Co.	22,156	43,523			224	54,707			10,748
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	29,516	335,543			(1,071)			350,508†	15,622
RAGGED POINT—Truck			17,086			17,086			
REAGAN—Union Oil Co.		14,980				14,980			
RED CREEK—Truck			32,219			4,584	27,635		
SNYDER—Truck			1,746				1,746		
SOAP CREEK—Truck			3,370				3,370		
SUMATRA AND STENSVAD—									
Powder River Pipe Line, Inc.	32,073	362,397			(1,873)	328,352	45,550		22,441
Truck			13,023				13,023		
	32,073	362,397	13,023		(1,873)	328,352	58,573		22,441
SWEETGRASS HILLS—Truck			670			670			
WHITLASH—									
Homestake Oil & Gas Co.	220	165				161			224
Western Natural Gas Co.	1,646								1,646
Truck			1,014			1,014			
	1,866	165	1,014			1,175			1,870
WOLF SPRINGS—									
Powder River Pipe Line Co.	4,930	29,286			783	26,051			7,382
UNNAMED—Rosebud Cty., Truck			4,378				4,378		
UNNAMED—Sheridan Cty., Truck			16,293				16,293		
TOTALS	646,801	2,526,983	197,485	600,388	(5,267)	821,202	2,005,191	600,388	550,143

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JULY, 1960

Field	Big West Oil Co.	Humble Oil & Ref. Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									9,640	9,640
Bowes				18,486						18,486
Cat Creek			9,553		1,835	6,248				17,636
Cut Bank	19,056						74,388	57,642	80,714	231,800
Dry Creek					2,699					2,699
Elk Basin		120,249	54,456							174,705
Ivanhoe						13,186				13,186
Kevin-Sunburst	59,754							60,195		119,949
Melstone					6,880					6,880
Pondera							52,681			52,681
Reagan									14,980	14,980
Stensvad						4,582				4,582
Sumatra		175,438	301		186,145					361,884
Sweetgrass Hills	690									690
Whitlash									1,014	1,014
Wolf Springs		23,082								23,082
Total Montana Oil	79,500	318,769	64,310	18,486	197,559	24,016	127,069	117,837	106,348	1,053,894
Canadian Oil Imported									2,574	2,574
Wyoming Oil Imported		642,116	341,807		423,071					1,406,994
TOTAL Mont., Canadian & Wyoming Oil	79,500	960,885	406,117	18,486	620,630	24,016	127,069	117,837	108,922	2,463,462

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
July, 1959	36,434	17	47,005	83,456
July, 1960	33,996	84	45,386	79,466

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
43.65%	.03%	56.22%
42.78%	.11%	57.11%